

# Product data sheet

## Characteristics

50438

Closed toroid for residual current protection PA  
- Ø 50 mm



### Main

Range	Vigirex
Device short name	PA50
Product or component type	Earth leakage current sensor
Device application	Equipment monitoring and control
Current sensor type	A type closed toroid
[Ie] rated operational current	85 A

### Complementary

Transformer ratio	1/1000
Network type	AC DC
Network frequency	45...440 Hz
[Icw] rated short-time withstand current	100 kA for 0.5 s
Residual short-circuit withstand current	85 kA / 0.5 s conforming to IEC 60947-2
[Ui] rated insulation voltage	1000 V
Oversupply category	IV
[Uiimp] rated impulse withstand voltage	12 kV
Mounting mode	Fixed (plain backplate) Fixed (profiled sheet metal) Fixed (slotted backplate) Clip-on (DIN rail) Clip-on (Vigirex relay)
Calorific value	1.42 MJ
Connections - terminals	Screw connection 0.22 mm <sup>2</sup>
Diameter	50 mm inner: 25 mm: 50 mm <sup>2</sup> (maximum)
Cable outer diameter	25 mm: 50 mm <sup>2</sup> (maximum)
Net weight	0.2 kg
Height	108 mm
Width	88 mm
Depth	29 mm

### Environment

IP degree of protection	Connectors: IP20 IP30
Environmental characteristic	Exposure to damp heat not in service (25...55 °C, RH 95 %) : 28 cycles conforming to IEC 60068-2-30 Salt mist: Kb/2 conforming to IEC 60068-2-52 Exposure to damp heat in service: category C2: 48 hours conforming to IEC 60068-2-56
Pollution degree	Level 3 conforming to IEC 60664-1
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °C

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## Packing Units

Package 1 Weight	0.180 kg
Package 1 Height	4.000 cm
Package 1 width	12.800 cm
Package 1 Length	17.100 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<input checked="" type="checkbox"/> REACH Declaration
EU RoHS Directive	Compliant <input checked="" type="checkbox"/> EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	<input checked="" type="checkbox"/> Yes
China RoHS Regulation	<input checked="" type="checkbox"/> China RoHS Declaration
Environmental Disclosure	<input checked="" type="checkbox"/> Product Environmental Profile
Circularity Profile	<input checked="" type="checkbox"/> End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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